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NOTICE OF ALLOWANCE AND FEE(S) DUE

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07/28/2010

Huawei Technologies Co., Ltd. IPR Dept., Building B1-3-A, Huawei Industrial Base, Bantian Shenzhen Guangdong, 518129 CHINA

EXAMINER				
ELLIOTT IV, BENJAMIN H				
ART UNIT	PAPER NUMBER			

2474

DATE MAILED: 07/28/2010

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/590.375	05/16/2007	Yan Fu	0410340US	8405

TITLE OF INVENTION: METHOD FOR REALIZING THE MULTICAST SERVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	10/28/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

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Huawei Technologies Co., Ltd. IPR Dept., Building B1-3-A, Huawei Industrial Base, Bantian Shenzhen Guangdong, 518129 CHINA				State	eby certify that thes Postal Service wessed to the Mail	is Fee(vith suf Stop	e of Mailing or Trans s) Transmittal is bein fficient postage for fir ISSUE FEE address (1) 273-2885, on the c	g deposite st class m above, c	nail in an envelope or being facsimile
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									(Date)
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nonprovisional	NO	\$1510	\$300		\$0		\$1810		10/28/2010
EXAM	MINER	ART UNIT	CLASS-SUBCLASS	3					
ELLIOTT IV,	BENJAMIN H	2474	370-390000						
CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.						
PLEASE NOTE: Un recordation as set for (A) NAME OF ASSI	tless an assignee is ident th in 37 CFR 3.11. Com IGNEE	A TO BE PRINTED ON ' ified below, no assignee pletion of this form is NO	data will appear on t T a substitute for filing (B) RESIDENCE: (G	he pa g an a	ntent. If an assign assignment. and STATE OR C	COUNT	TRY)		
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NOTE: The Issue Fee ar interest as shown by the	nd Publication Fee (if req records of the United Sta	uired) will not be accepte ites Patent and Trademark	d from anyone other the Office.	nan th	ne applicant; a regi	stered	attorney or agent; or the	he assigne	ee or other party in
Authorized Signature	·				Date				
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10/590,375	05/16/2007	Yan Fu	0410340US	8405	
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Huawei Technolo	ogies Co., Ltd.	ELLIOTT IV, BENJAMIN H			
IPR Dept., Buildin	g B1-3-A,	ART UNIT	PAPER NUMBER		
Huawei Industrial	Base, Bantian		2474		
Shenzhen Guangdong, 518129					
CHINA	Ç,		DATE MAILED: 07/28/201	U	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 174 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 174 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
Notice of Allowability	10/590,375 Examiner	FU ET AL. Art Unit	
•	DENIMARINE ELLICATE	0.174	
	BENJAMIN ELLIOTT	2474	
The MAILING DATE of this communication approached all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate communication is s	this application. If not included nication will be mailed in due cou	rse. THIS
1. ☑ This communication is responsive to 6/11/2010.			
2. X The allowed claim(s) is/are 1,3,6-11,13-16,19-24 renumbe	ered 1-18.		
 3. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 		or (f).	
2. Certified copies of the priority documents have	e been received in Applicatio	n No	
3. Copies of the certified copies of the priority do	ocuments have been received	in this national stage application	from the
International Bureau (PCT Rule 17.2(a)).		9	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the require	ements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv			CE OF
5. CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.		
(a) ☐ including changes required by the Notice of Draftspers	son's Patent Drawing Review	ı (PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date	<u>.</u>		
(b) ☐ including changes required by the attached ExaminerPaper No./Mail Date	's Amendment / Comment or	in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in			ck) of
 DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT 			the the
Attachment(s)	E □ Notice of Ind	iarmal Datant Application	
1. Notice of References Cited (PTO-892)		formal Patent Application	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Paper No./	ummary (PTO-413), Mail Date	
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>7/08/2010</u> 	/. 🔼 Examiner's	Amendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ☐ Examiner's	Statement of Reasons for Allowar	nce
	9. 🔲 Other	<u>-</u> :	
/B. E./	/Aung S. Moe/		
Examiner, Art Unit 2474	Supervisory Pat	ent Examiner, Art Unit 2474	

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Joseph M. Lafata on 7/09/2010.

Please amend the claims as follows:

Claim 19:

-- The network broadband access equipment according to claim [[17]]24, wherein the

address information of the multicast user comprises a Virtual Local Area Network

identifiers (VLAN ID) and/or a frame number, slot number and port number of the

network equipment to which the multicast user is connected.--

Claim 20:

-- The network broadband access equipment according to claim 19, wherein the

network broadband access equipment is a Digital Subscriber Line (DSL) broadband

access equipment or a Local Area Network (LAN) switch; or a router or a layer-3

switch.—

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Claim 23:

-- The network <u>broadband access</u> equipment according to claim <u>[[17]]24</u>, wherein the plurality of multicast programs are programs in a certain program category, the certain program category including at least one of news, drama, art, and literature.--

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BENJAMIN ELLIOTT whose telephone number is (571)270-7163. The examiner can normally be reached on Monday thru Friday, 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Aung Moe can be reached on (571)272-7314. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

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USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Aung S. Moe/ Supervisory Patent Examiner, Art Unit 2474 BENJAMIN ELLIOTT Examiner Art Unit 2474